

Emkarate Refrigeration Lubricants - Approval List

Industrial and Commercial Compressor
Manufacturers - HFC/HCFC Systems

EQUIPMENT MANUFACTURER	COMPRESSOR TYPE / (MODEL)	APPROVED EMKARATE RL GRADE(s)
BITZER	Reciprocating	RL 32H & 68H
	Screw	RL 170H
BLISSFIELD	Reciprocating	RL 68H
BOCK	Reciprocating	RL 22H, 32H, 46H, 68H & 100H
CARRIER	Centrifugal Chillers (17DA & 17EA)	RL 32H
	Externally Geared Centrifugal Chillers (17EX, 17FA & 17MPS)	RL 68H
	Screw	RL 220H
CARRIER CARLYLE	Reciprocating	RL 68H
CARRIER TRANSICOLD	Reciprocating (Marine Containers)	RL 22H
COPELAND	Reciprocating & Scroll	RL 32-3MAF, 32CF & 22CF
DALIAN BINGSHAN	Reciprocating	RL 32H
	Screw	RL 170H
DANFOSS COMMERCIAL (MANEUROP)	Scroll (SZ, MFZ & LFZ)	RL 32H
	Reciprocating (LTZ & NTZ)	RL 32H
DORIN	Reciprocating	RL 22H, 32H, 46H & 68H
DUNHAM BUSH	Reciprocating	RL 32H & 68H
	Screw	RL 68H
FRASCOLD	Reciprocating	RL 32H, 68H
	Screw	RL 170H
FRIGOPOL	Reciprocating (60-DLB-13 to 80-DLB-30)	RL 32H
GRASSO (GEA)	Reciprocating	RL 68H & 100H
HARTFORD	Reciprocating	RL 32H & 68H
HANBELL	Screw compressors (RA, RB & V series)	RL 170H & 220H
HISPACOLD	Reciprocating	RL 68H
JIANGSU XUJEMEI	Reciprocating	RL 22H & 32H
LOCKHEED MARTIN	Oil can be used to service Lockheed owned compressors	RL 68H
McQUAY (J&E Hall)	Centrifugal	RL 32H
	Screw	RL 68H, 68HB, 100H & 220H
PRESTCOLD	Reciprocating	RL 32-3MAF
REFCOMP	Reciprocating (SRC-F, SRC-M, SRC-L & SRC-P)	RL 32H & 68H
ROLTEC	Screw	RL 46H & 170H
ROYCE	Reciprocating	RL 32H
SABROE	Reciprocating	RL 32H, 46H & 68H
	Screw	RL 68H, 100H, 170H & 220H
TECUMSEH	Reciprocating	RL 22H
THERMOKING	Reciprocating	RL 32H
TRANE	Screw	RL 68H
	Scroll	RL 32HB
NATO MILITARY NSN	NSN 6850P4314-H	RL 32H
	NSN 9150-99-870-1432	RL 32HB
	NSN 9150-01-443-9390 & NSN 9150-01-443-9396	RL 46H
	NSN 9150-01-435-1899, NSN 9150-01-410-8972 & NSN 9150-01-387-4469	RL 68H
VATANU-COOL	Orbital Vane Rotary (OVR)	RL 220H
YANTAI MOON	Reciprocating	RL 32H

This approvals list should be used as a guide only. CPI Engineering Services recommends that users confirm with the original equipment manufacturer (OEM) which Emkarate RL grade is qualified for use with a particular combination of compressor model, refrigerant and application. OEM's advice should always be taken. Only use approved lubricants.